

THIS PROJECT INVOLVES THE INSTALLATION OF OPTICOM DETECTORS ALONG US 1 BUSINESS AT ATWOOD STREET, KELLY AVENUE/BEL AIR PLAZA, BEL AIR TOWN CENTER/BEL AIR PLAZA, MD 24 (VIETNAM VETERANS MEMORIAL HIGHWAY) AND MD 24 (VIETNAM VETERANS MEMORIAL HIGHWAY) AT MARKETPLACE DRIVE, W. MACPHAIL ROAD INTERSECTIONS.

INTERSECTION OPERATION

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

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THE DETECTOR RACK WILL BE RETRO-FITTED WITH TWO (2) FOUR-CHANNEL,
TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS.

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED.
THE DETECTOR RACK WILL BE RETRO-FITTED WITH TWO (2) FOUR-CHANNEL,
TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIERS.

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.

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THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.
ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

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DISTRICT UTILITY ENGINEER
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CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA
NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

WIRING DIAGRAMS

A diagram of a rectangular frame with four vertices marked by small circles. Three points are labeled with the letter 'A' and an arrow indicating the direction of a force:

- At the top-left vertex, a horizontal arrow points to the left.
- On the left vertical edge, about one-third of the way down from the top, a horizontal arrow points to the left.
- On the bottom horizontal edge, about two-thirds of the way from the left, a vertical arrow points downwards.

 In the bottom-right corner, there is a detailed view of a corner joint. It shows two members meeting at a right angle. A force 'A' is applied to one member, pointing away from the joint. Another force 'A' is applied to the other member, pointing towards the joint. A third force 'A' is shown acting on a small square block at the corner, pointing towards the joint.

The diagram illustrates a 4-conductor optical cable detector cable assembly. It features a vertical cable with a horizontal arrow labeled 'A' pointing to it. At the top, a circular component is shown with a horizontal arrow labeled 'A' pointing to it. Below this, a bracket labeled 'A' groups the text '4-CONDUCTOR OPTICOM DETECTOR CABLE'. At the bottom, a circular component is shown with a horizontal arrow labeled 'A' pointing to it. The entire diagram is labeled 'WIRING KEY' at the bottom right.

Diagram illustrating a 4-conductor optical detector cable system. The cable is connected to a detector unit. The detector unit consists of a circular component (likely a lens or sensor) and a rectangular component (likely a control unit or display). The cable is labeled "4-CONDUCTOR OPTICAL DETECTOR CABLE" and "WIRING KEY".

Diagram illustrating a 4-conductor opticom detector cable system. The cable is connected to a square loop structure. The conductors are labeled A, B, C, and D. A 'WIRING KEY' is provided below the diagram.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 (Baltimore Pike) & MD 24 (Vietnam Veterans Memorial Hwy) Intersections
Bel Air, Maryland

SCALE NONE ADVERTISED DATE 5/25/2011 CONTRACT NO. XX6455185

CHECKED BY N. Leary TIMS NO. J662

F.A.P. NO. _____ TOD NO. _____

TS NO.	DRAWING TSP-7 OF 7	SHEET NO. 7 OF 7
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BY: sbloss

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